U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS Patent Number Issue Date First Named Inventor Title Attorney Docket Number

I hereby revoke all previous powers of attorney given in the above-identified patent.						
	A Power of Attorney is submitted herewith.					
OR	I have be a second Departition of a constitute of the fall of the					
OR	I hereby appoint Practitioner(s) associated with the followin attorney(s) or agent(s) with respect to the patent identified the United States Patent and Trademark Office connected			d above, and to transact all business in		73658
	I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:					
	Practitioner(s) Name			Registration Number		
Please recognize or change the correspondence address for the above-identified patent to:						
The address associated with the above-mentioned Customer Number.						
OR						
The address associated with Customer Number:						
OI		700mtod (1 5 dotter) (1				
	Firm or Individual Name					
Address						
City				State	Zip	
Countr	<u> </u>			T= . T		
Teleph				Email		
I am the: Inventor, having ownership of the patent.						
OR						
Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on						
SIGNATURE of Inventor or Patent Owner						
Signature				· · · · · · · · · · · · · · · · · · ·	Date 10/i	8/12
Name		Thomas J. Arria Telephone 781-219-8760 ¹ Senior IPR Specialist Nokia Corporation				760 '
Title and Company Senior IPR Specialist, Nokia Corporation						
NOTE: Signatures of all the inventors or patent owners of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.						
Total of one forms are submitted.						

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



LIMITED POWER OF ATTORNEY

that we, the undersigned, under the authority granted to each of us to sign jointly on behalf of

Nokia Inc.

200 S. Mathilda Avenue Sunnyvale, CA 94086 USA

hereby authorize the following person,

NOKÍA 200 S Mathilda Ave. Sunnyvále, CA 94086

Thomas Arria

Nokia Inc.

15 Wayside Road

Burlington, MA 01803 USA

in his capacity as Senior IP Specialist, Patenting, Legal and Intellectual Property, to sign alone in the name of Nokia Inc. all the documents that relate to the filing, prosecution and registration of patent applications, as well as post-grant operations relating to patents granted based on such patent applications. Such documents may include without limitation case-specific Powers of Attorney, Assignment Deeds for assigning the ownership of an invention to Nokia Inc., Novelty Declarations and Inventorship Declarations.

The rights granted under this Power of Attorney may not be transferred further, other than as specified above.

The authority granted by this Power of Attorney shall expire six (6) months from the effective date.

Notwithstanding the foregoing, the authority granted by this Power of Attorney shall expire when the authorized person's employment with Nokia ends.

This Power of Attorney is duly signed on this day of July 1, 2012.

NOKIAINC.

Bv:

Name: Benjamin C. Adams

Title: Vice President

Name: Mario Viamin

Title: Vice President & Treasurer